09726779.1-1290

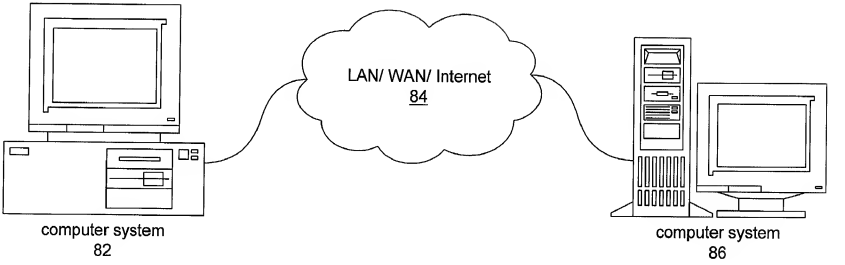


FIG. 1

09726779.1E903

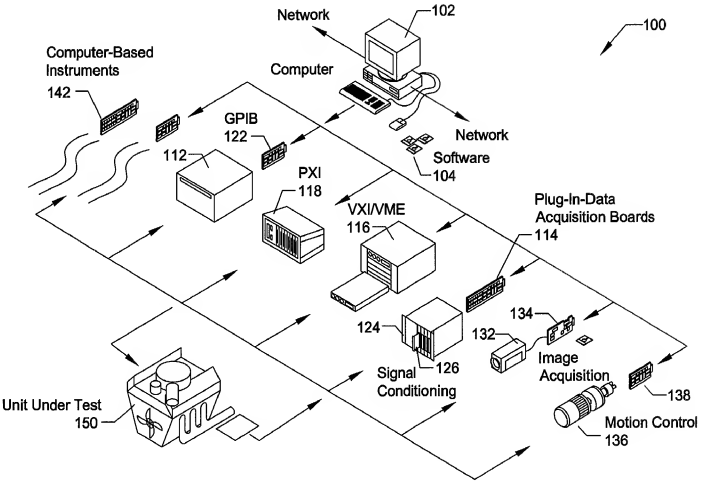


FIG. 2A

US 6,772,279 B1

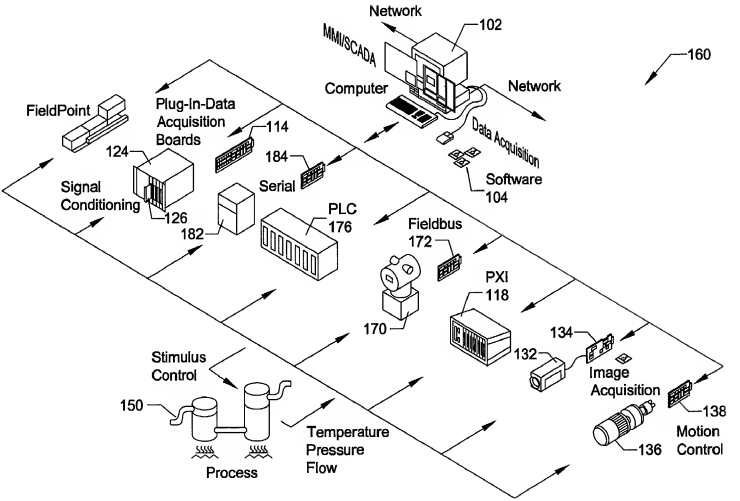


FIG. 2B

09726779.112900

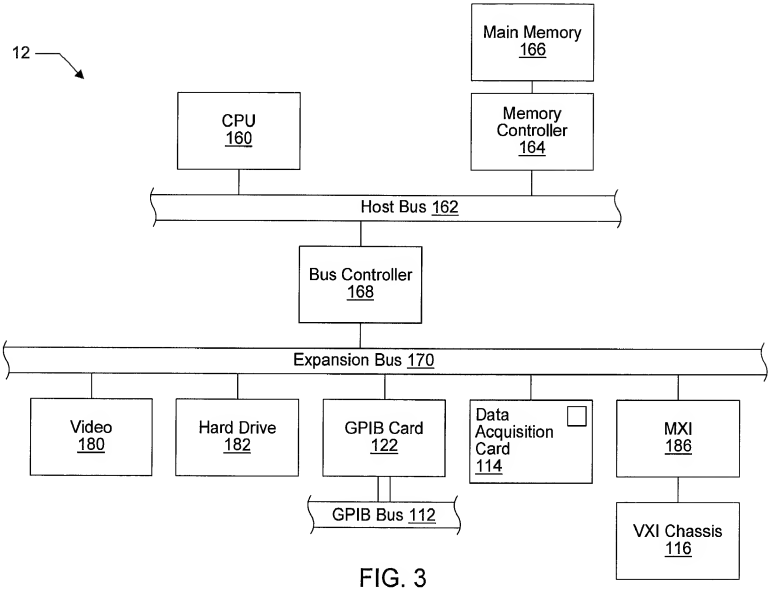


FIG. 3

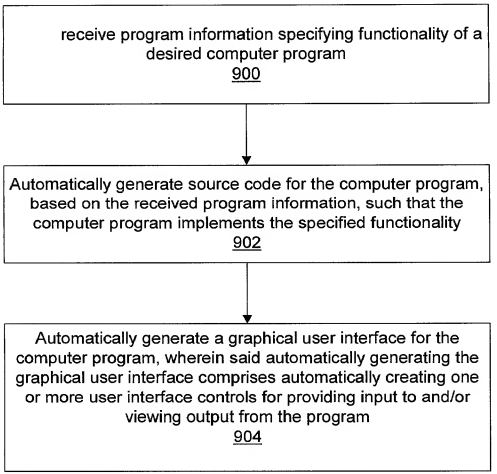

receive program information specifying functionality of a desired computer program
900
Automatically generate source code for the computer program, based on the received program information, such that the computer program implements the specified functionality
902
Automatically generate a graphical user interface for the computer program, wherein said automatically generating the graphical user interface comprises automatically creating one or more user interface controls for providing input to and/or viewing output from the program
904

FIG. 4

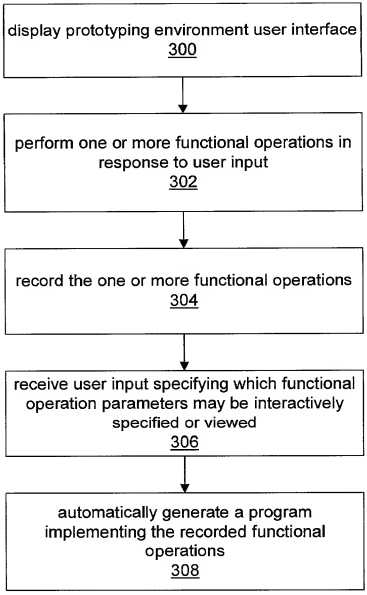

display prototyping environment user interface
300
perform one or more functional operations in response to user input
302
record the one or more functional operations
304
receive user input specifying which functional operation parameters may be interactively specified or viewed
306
automatically generate a program implementing the recorded functional operations
308

FIG. 5

09726779 .11290D

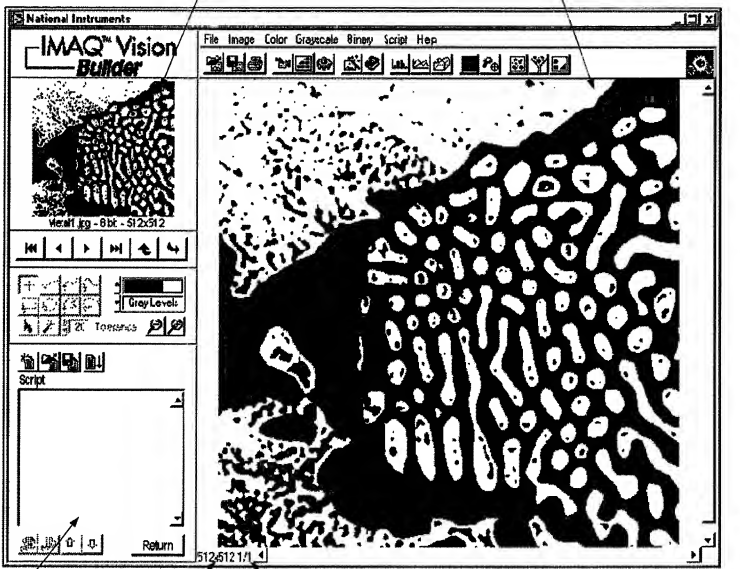


FIG. 6

09268779.1120900

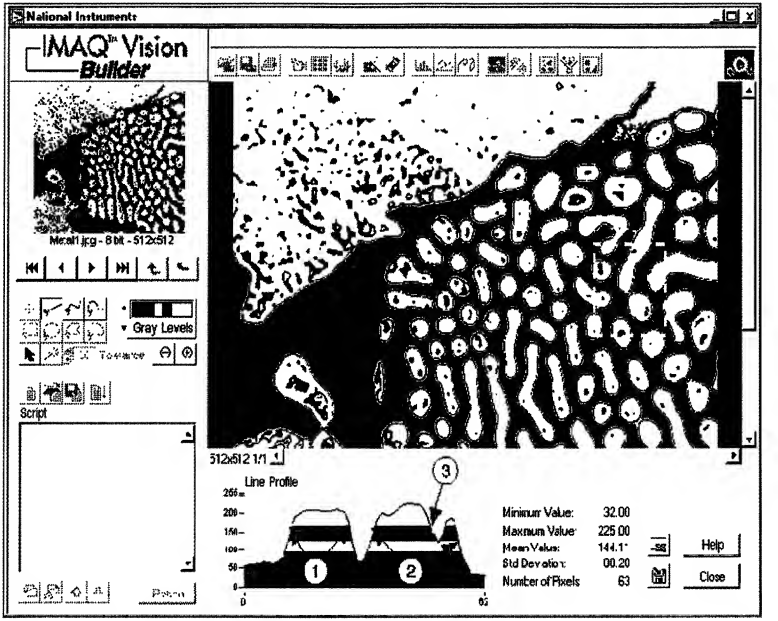


FIG. 7

09726779.112900

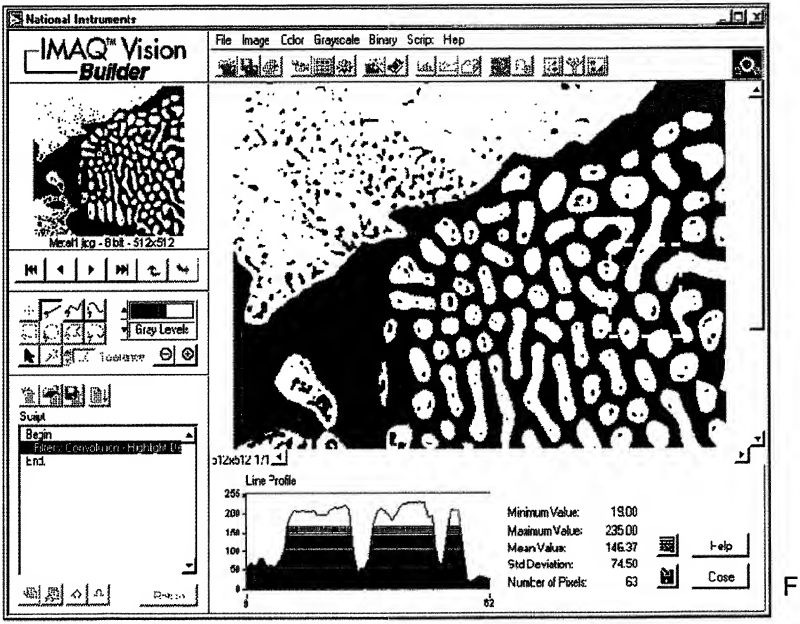


FIG. 8

09726779.112900

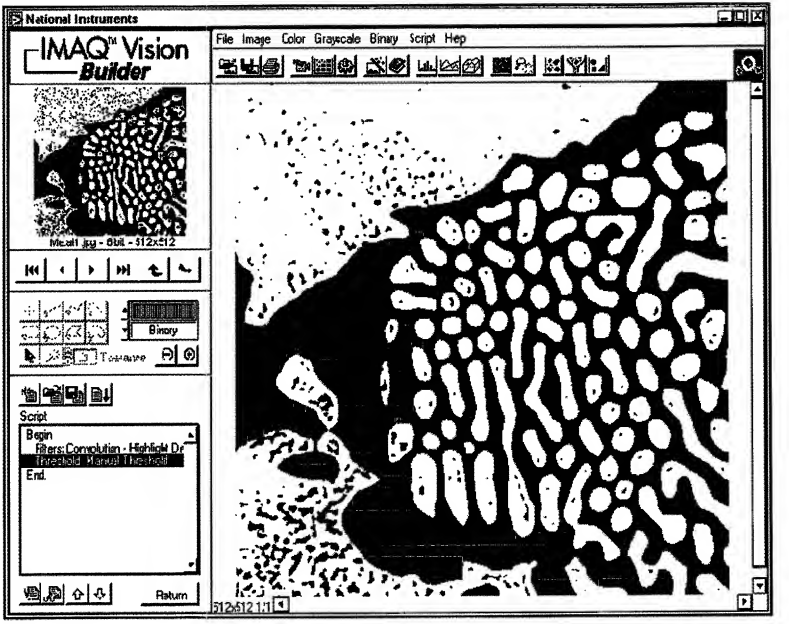


FIG. 9

09262779 "1E9SO

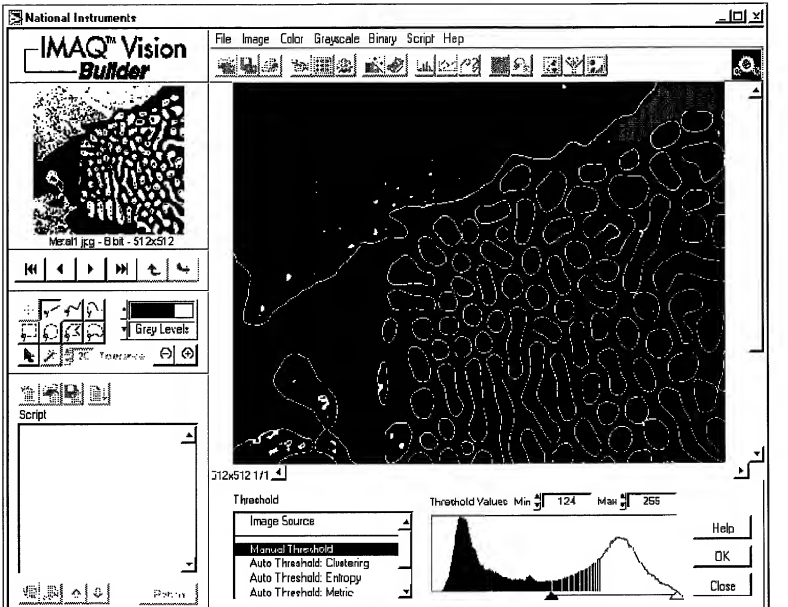


FIG. 10

09726779.1125DD

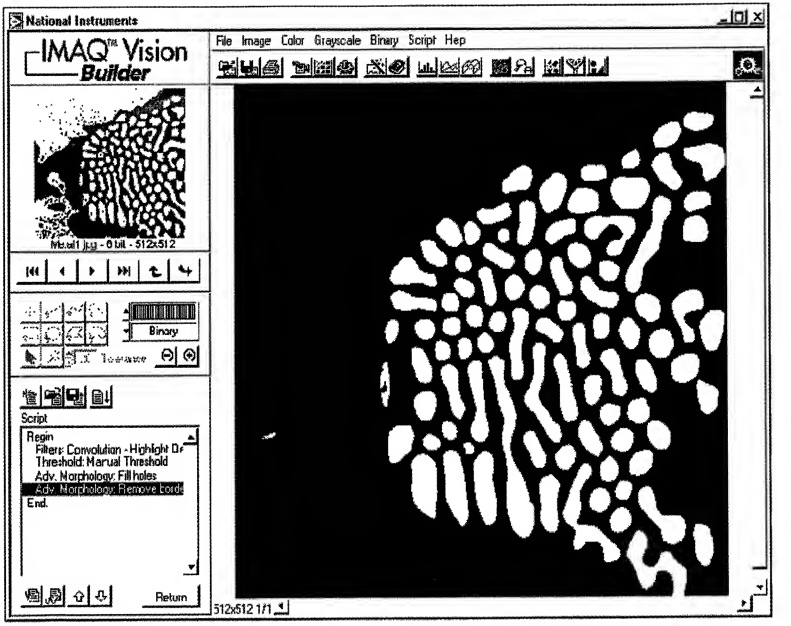


FIG. 11

09726779 .112900

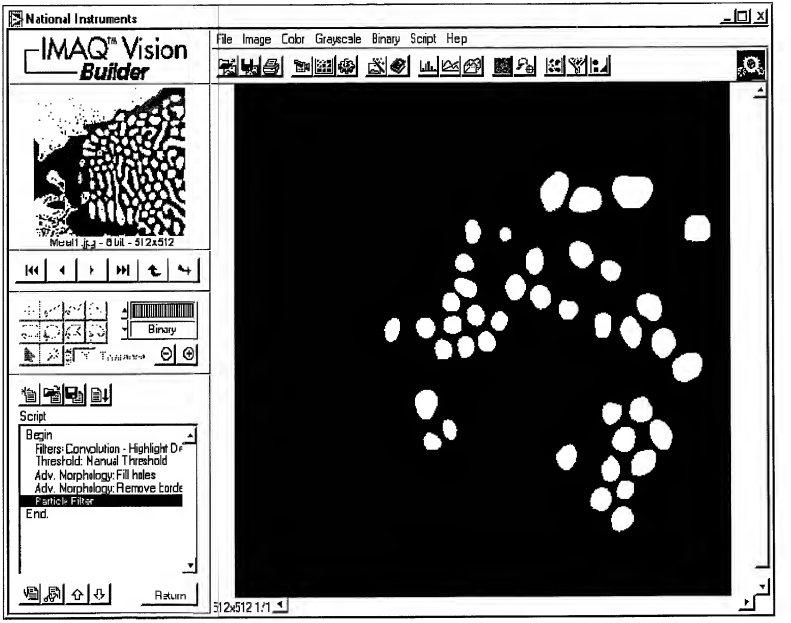
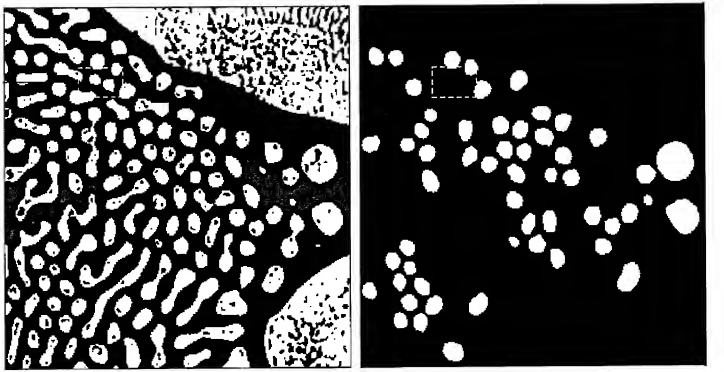


FIG. 12

09726779.112900



Original Image (Metal3.jpg)

Image after Processing

FIG. 13

08021-6202.68

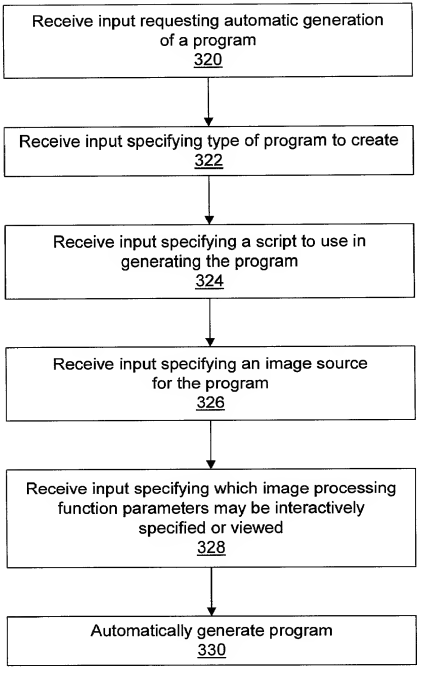


FIG. 14

09782760 "LL60"

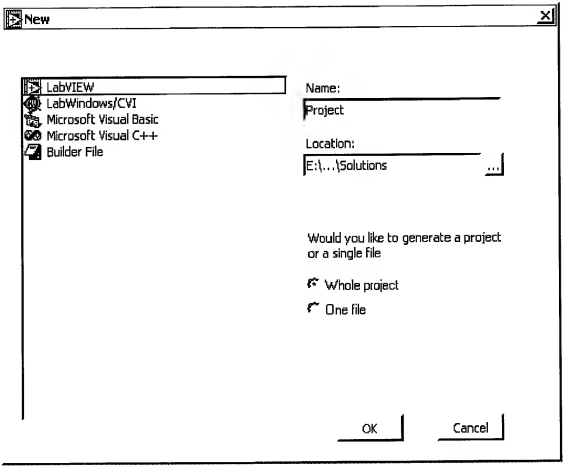


FIG. 15

0062772.12900

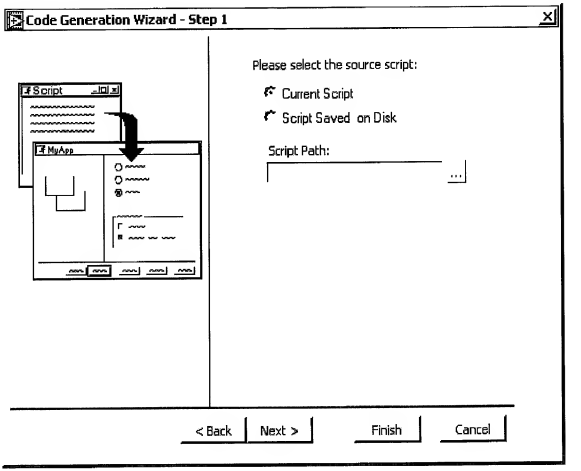


FIG. 16

09726779.112900

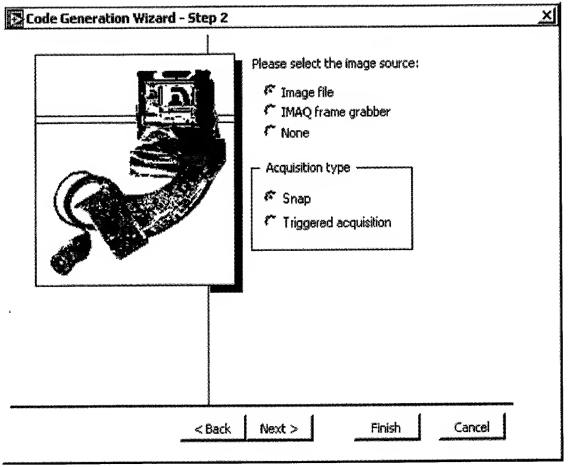


FIG. 17

09726779.1.1.0300

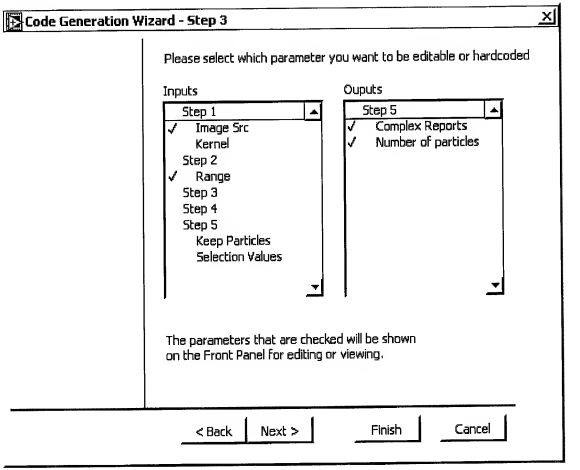


FIG. 18

09782779.1228.0

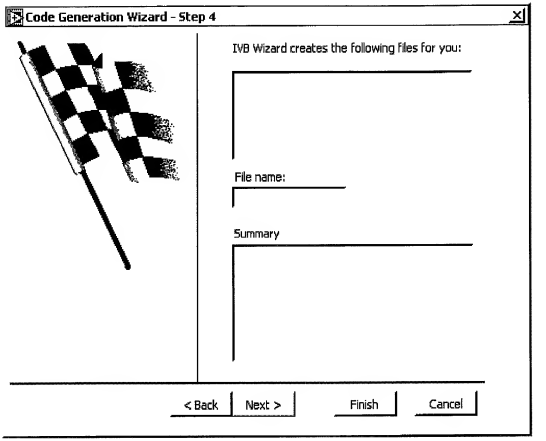


FIG. 19

08521-6760US

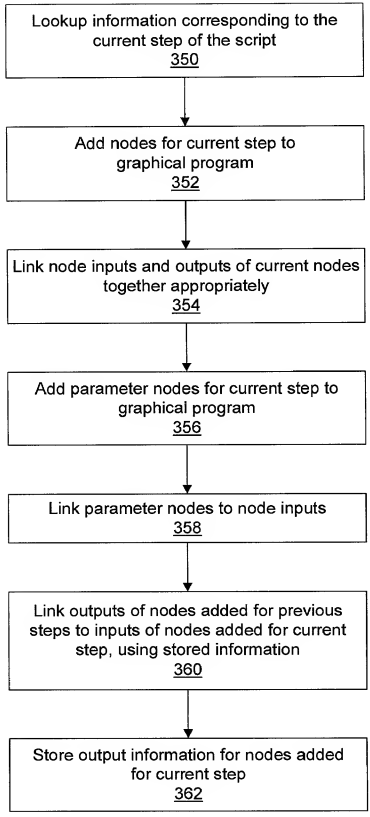


FIG. 20

09262779.112900

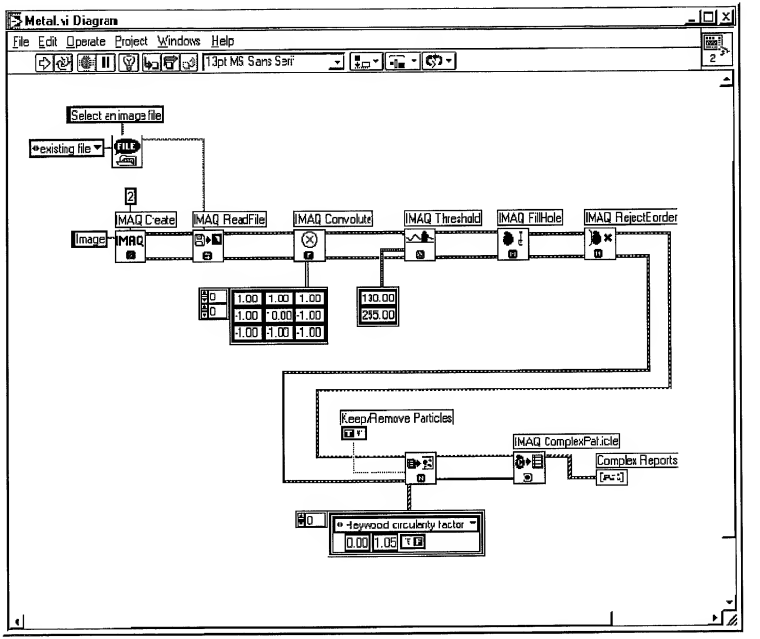


FIG. 21

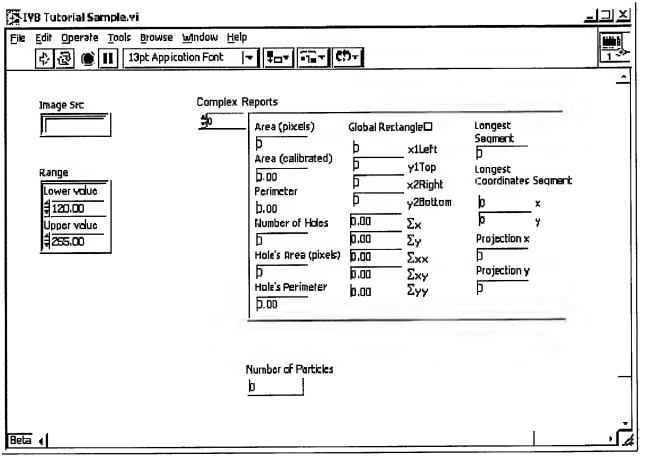

IVB Tutorial Sample.vi
File Edit Operate Tools Browse Window Help
13pt Application Font
Image Src
Range
Lower value
120.00
Upper value
255.00
Complex Reports
Area (pixels)
Area (calibrated)
0.00
Perimeter
0.00
Number of Holes
Hole's Area (pixels)
Hole's Perimeter
0.00
Global Rectangle
x1Left
y1Top
x2Right
y2Bottom
Σx
Σy
Σxx
Σxy
Σyy
0.00
Longest Segment
Longest Coordinates Segment
x
y
Projection x
Projection y
Number of Particles
Beta

FIG. 22